**Cake Shop Website**

**1. Title of the Project**

**Online Cake Shop Management System**

**2. Introduction**

The **Cake Shop Website** is a web-based application designed to help a bakery or cake shop showcase and sell cakes online. With the growing demand for online ordering and home delivery, this project provides an efficient platform where customers can browse cakes, customize orders, and place bookings. The system helps shop owners manage product listings, track orders, and handle customer queries in a simple, budget-friendly manner.

**3. Objectives**

* To provide an online platform for customers to browse and order cakes easily.
* To allow customers to customize cakes (flavors, size, toppings, etc.).
* To manage customer records, orders, and payments in one place.
* To help small bakery businesses establish an online presence at a minimal cost.
* To simplify the order management process for the shop owner.

**4. Scope**

* Useful for small-scale cake shops, startups, and local bakeries.
* Can be extended to accept online payments, delivery tracking, and bulk orders.
* Supports both customer-side (ordering system) and admin-side (inventory & order management).
* Scalable to integrate with third-party apps (like WhatsApp ordering or UPI payments).

**5. Technologies Used**

* **Backend:** Python (Django Framework)
* **Database:** SQLite3 (lightweight, suitable for beginners & small business scale)
* **Frontend:** HTML, CSS, JavaScript
* **Additional Tools:** Bootstrap (for responsive design, mobile-friendly interface)

**6. Features**

**Customer-Side:**

* Browse cakes with images, price, and details.
* Search and filter cakes by category (e.g., birthday, wedding, chocolate, eggless).
* Add cakes to cart and place orders.
* Option to add custom messages on cakes.
* Simple login/signup system for order history.

**Admin-Side:**

* Add/update/delete cake items with images and descriptions.
* Manage customer orders and update delivery status.
* View sales and customer records.
* Upload promotional banners/offers.

**7. Advantages**

* Affordable solution for small businesses to go digital.
* Saves time for customers through easy browsing & ordering.
* User-friendly interface with responsive design.
* Easy to maintain since Django with SQLite3 is lightweight.
* Helps increase customer reach beyond walk-in sales.

**8. Disadvantages**

* Limited database scalability (SQLite is not ideal for high-traffic).
* Basic website security compared to advanced frameworks.
* No built-in payment gateway in the initial version (can be added later).
* Requires internet access, limiting offline use.

**9. Applications**

* Local cake shops and small bakeries.
* College/hostel mini food delivery projects.
* Small businesses looking for digital storefronts.
* Can be adapted to other food businesses (pizza, snacks, etc.).

**10. Conclusion**

The **Cake Shop Website** provides an effective and budget-friendly solution for small bakery businesses to manage their operations digitally. Using Django and SQLite3 ensures simplicity, scalability for beginners, and cost-effectiveness. This project not only helps shop owners manage inventory and orders but also enhances the customer experience through a simple online platform. It can be upgraded in the future with online payments, mobile app integration, and delivery tracking.